PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

	Complete if Known			
Application Number	10/706,308			
Filing Date	November 11, 2003			
First Named Inventor	Moss et al.			
Group Art Unit	3634			
Examiner Name	Unknown			
American Deather Northern	2052 5550 1115			

(use as many sheets as necessary) Examiner Name Unknown

Sheet I of 3 Attorney Docket Number 3052-5550.1US

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AC		08/01/1978	Spencer et al.	
	AC AC	D 309,502	07/24/1990	Wing et al.	
	AC	RE 30,020	06/05/1979	Spencer et al.	
	AC	2,144,440	01/17/1939	Gaffers	
	AC	2,186,119	01/09/1940	Moen	
	AC	3,692,143	09/19/1972	Kummerlin et al.	
	AC	4,182,431	01/08/1980	Wing	
	AC	4,210,224	07/01/1980	Kummerlin et al.	
	AC	4,371,055	02/01/1983	Ashton et al.	
	AC	4,376,470	03/15/1983	Ashton	
	AC	4,407,045	10/04/1983	Boothe	
	AC	4,566,150	01/28/1986	Boothe	
	AC	4,697,305	10/06/1987	Boothe	
	AC	4,974,701	12/04/1990	Parise	
	AC	5,002,153	03/26/1991	Yuen	
	AC	5,279,387	01/18/1994	Swinderski et al.	
	Ad	5,359,812	11/01/1994	Mayfield	·-
	AC	5,366,051	11/22/1994	Bartnicki et al.	
	AC	5,419,084	05/30/1995	Sankey et al.	
	AC	5,515,942	05/14/1996	Woodfield	
	AC	5,954,157	09/21/1999	Grimes et al.	

Cita	Foreign Patent Document		N. CD	Pages, Columns, Lines,	
No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Document	Where Relevant Passages or Relevant Figures Appear	T <b>6</b>
AC	EP 0 324 885 AI	07/26/1989	Yuen, Halson		
AC	DE 195 39 157 A1	04/24/1997	Hymer-Leichtmetallbau		yes
AC	NL 1002235	08/05/1997	Dirks Ladders en Trappen		yes
	AC AC	Country Code <sup>3</sup> · Number <sup>4</sup> - Kind Code <sup>3</sup> (if known)  AC EP 0 324 885 A1  AC DE 195 39 157 A1	Country Code <sup>3</sup> - Number <sup>4</sup> - MM-DD-YYYY	Country Code <sup>3</sup> - Number <sup>4</sup> -   Publication Date   MM-DD-YYYY	Country Code <sup>3</sup> - Number <sup>4</sup> - MM-DD-YYYY Name of Palentee or Applicant of Cited Document Where Relevant Passages or Relevant Figures Appear  AC EP 0 324 885 A1 07/26/1989 Yuen, Halson  AC DE 195 39 157 A1 04/24/1997 Hymer-Leichtmetallbau

Examiner Signature /Alvin Chin-Shue/ (05/27/200	Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>3</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute	for form 1449A/PTO				Complete if Known	
INFO	<b>PRMATION</b>	DI	SCLOSURE	Application Number	10/706,308	
	TEMENT BY		•	Filing Date	November 11, 2003	
DI.			ILLICANI	First Named Inventor	Moss et al.	
				Group Art Unit	3634	
	(use as many shee	is as	necessary)	Examiner Name	Unknown	
Sheet	2	of	3	Attorney Docket Number	3052-5550.1US	フ

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AC	5,966,777	10/19/1999	Jantschek	riguits repotal
	AC	6,141,909	11/07/2000	Hanson	
	AC	6,220,389 B1	04/24/2001	Krause .	
	AC	6,269,909 B1	08/07/2001	Grimes et al.	
	AC	6,298,605 B1	10/09/2001	Delefosse et al.	
	AC	2003/0188923 A1	10/09/2003	Moss	
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FOREIGN PATENT DOCUMENTS						
Examiner	Cite	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	_
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
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	Examiner Signature	/Alvin Chin-Shue/	(05/27/2005) Date Considered	
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO		Complete if Known
TRIEGRA TION DICCI OCUDE	Application Number	10/706,308
INFORMATION DISCLOSURE	Filing Date	November 11, 2003
STATEMENT BY APPLICANT	First Named Inventor	Moss et al.
,	Group Art Unit	3634
(use as many sheets as necessary)	Examiner Name	Unknown
Sheet 3 of 3	Attorney Docket Number	3052-5550 IUS

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS					
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²		
AC		PCT International Search Report dated 07/19/2004.			
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Examiner	/Alvin Chin-Shue/	(05/27/20(6 <sub>d</sub> ) <sub>ate</sub>	
Signature		Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO

Complete if Known

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1 Attorney Docket Number 3052-5550.1US

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AC	US-3,002,582	10/03/1961	Marcelis	
	AC	US- 3,318,413	05/09/1967	Werner et al.	
	AC	US- 3,327,385	06/27/1967	Shaver	
	AC	US- 4,597,687	07/011986	Colas	
	AC	US- 4,656,721	04/14/1987	Werner	
	AC	US- 4,698,896	10/13/1987	Osterwald et al.	
	AC	US- 4,967,879	11/06/1990	Klafs et al.	
	AC	US- 6,032,759	03/07/2000	Yeh	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>3</sup> (if Intown)	Publication Date MM-DD-YYYY	Applicant of Cited Document		
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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k Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 449 A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 10/706.308 Filing Date November 11, 2003 STATEMENT BY APPLICANT First Named Inventor Moss et al. Group Art Unit 3634 (use as many sheets as necessary) **Examiner Name** Unknown

Attorney Docket Number

Sheet

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No.'	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant	
		Number - Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear	
		US-6,533,882 B1 03/18/2003	Woodside			
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Examiner Initials*	Cite No.	Foreign Patent Document		Name of Patentee or	Pages, Columns, Lines,	Т,		
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>3</sup> (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear			
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Signature		i	Considered	
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